

1       16. (Original) A combination of a housing and a battery pack,

2           (A) the housing comprising:

3               (A1) first and second rails in the interior of the housing;

4               (A2) an end stop in the interior of the housing;

5               (A3) a battery compartment defined by a recess in the housing;

6               (A4) a battery latch dimensioned to slide between the first and second  
7                rails, the battery latch including at least one resilient spring member integral to the  
8                battery latch, the at least one resilient spring member being placed against the end  
9                stop to provide a spring bias that causes the battery latch to slide to an extended  
10               position, the battery latch including at least one protruding member that extends at  
11                least partially into the battery compartment when the battery latch is in the  
12                extended position;

13               (A5) a slide button coupled to the battery latch and accessible on the  
14                outside of the housing, the slide button allowing a user to slide the slide button  
15                and thereby move the battery latch to a retracted position that removes the at least  
16                one protruding member from the battery compartment;

17               (A6) at least one battery pack retainer recess;

18           (B) the battery pack comprising:

19               (B1) an enclosure having at least a portion dimensioned to fit within the  
20                battery compartment;

21               (B2) the portion of the enclosure including at least one extending portion  
22                that is configured to go in the at least one battery pack retainer recess of the  
23                housing when the battery pack is installed in the housing; and

24               (B3) the portion of the enclosure including at least one recess that aligns  
25                with and receives the at least one protruding member when the battery pack is  
26                installed in the housing.

1       17. (Original) A method for removably coupling a battery pack to a housing of a portable  
2       electronic device, the method comprising the steps of:

3               (A) providing a battery latch within the housing, the battery latch comprising:

4                       (A1) a body portion;

5                       (A2) at least one resilient spring member integral to and extending from  
6                       the body portion;

7                       (A3) at least one protruding member that extends at least partially into a  
8                       battery compartment defined in the housing, the at least one resilient spring  
9                       member biasing the at least one protruding member into the battery compartment;

10               (B) installing a battery pack into the battery compartment, the battery pack  
11               comprising at least one recess that receives the at least one protruding member when the  
12               battery pack is installed in the battery compartment of the housing, the battery pack being  
13               installed by pressing the battery pack against the at least one protruding member, thereby  
14               forcing the at least one protruding member against the bias of the at least one resilient  
15               spring member until the battery latch slides to a retracted position, allowing the battery  
16               pack to move past the at least one protruding members until the at least one protruding  
17               member is biased into the at least one recess of the battery pack when the battery pack is  
18               fully seated in the battery compartment of the housing.

1       18. (Original) The method of claim 17 further comprising the step of:

2               (C) removing the battery pack from the battery compartment by sliding a slide  
3               button coupled to the battery latch until the at least one protruding member is in the  
4               retracted position and removing the battery pack from the battery compartment while  
5               holding the slide button in a position so that the battery latch is in the retracted position.

1       19. (Original) A method for assembling a battery latch and a slide button into a housing,

2               (A) the battery latch comprising:

3                       (A1) a body portion;

4                       (A2) at least one resilient spring member integral to and extending from

5                       the body portion; and

6                       (A3) at least one protruding member integral to and extending from the

7                       body portion that extends at least partially into a battery compartment of a housing

8                       when the battery latch is installed in the housing, the at least one resilient spring

9                       member biasing the at least one protruding member into the battery compartment;

10               (B) the slide button comprising:

11                       (B1) at least one retaining portion that is configured to be inserted into an

12                       opening in the battery latch;

13               (C) the housing comprising:

14                       (C1) first and second rails in the interior of the housing;

15                       (C2) an end stop in the interior of the housing;

16                       (C3) a battery compartment defined by a recess in the housing;

17                       (C4) the battery latch being dimensioned to slide between the first and

18                       second rails, the battery latch including at least one resilient spring member

19                       integral to the battery latch, the at least one resilient spring member being placed

20                       against the end stop to provide a spring bias that causes the battery latch to slide to

21                       an extended position, the battery latch including at least one protruding member

22                       that extends at least partially into the battery compartment when the battery latch

23                       is in the extended position, the battery latch further including at least one opening;

24                       and

25                       (C5) an elongated slot, a portion of the elongated slot overlying the at least

26                       one opening of the battery latch;

(claim 19 continued)

27                   (D) wherein the method comprises the steps of:  
28                   (D1) sliding the body portion under the first and second rails;  
29                   (D2) placing end portions of the resilient spring members against the end  
30                   stop;  
31                   (D3) placing the retaining portions of the slide button through the  
32                   elongated slot in the housing and into the opening in the battery latch until the at  
33                   least one retaining portion clicks to couple the slide button to the body portion  
34                   through the elongated slot in the housing.

## **STATUS OF THE CLAIMS**

Claims 1-19 were originally filed in this patent application. In the pending office action, claims 1-3, 6-8, 10 and 16 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,413,499 to Wright. Claims 1, 2, and 6-8 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,567,545 to Murakami. Claims 1-4, 6, 7, 9, 10 and 16-18 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,371,594 to Ohara. Claims 1-4, 6, 7, 9, 10 and 16-18 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,871,629 to Bunyea. Claim 1 was rejected under 35 U.S.C. §102(b) as being anticipated by Mizumura. Claim 9 was rejected under 35 U.S.C. §103(a) as being unpatentable over Wright. Claim 9 was rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami. Claims 4, 5, and 19 were rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami in view of U.S. Patent No. 4,791,756 to Simpson. Claims 11-15 were rejected under 35 U.S.C. §103(a) as being unpatentable over Murakami in view of U.S. Patent No. 5,415,955 to Kobayashi. Claims 4 and 5 were rejected under 35 U.S.C. §103(a) as being unpatentable over Simpson in view of Mizumura. No claim was allowed. In this amendment, claims 1-15 have been canceled. Claims 16-19 as originally filed are currently pending.